

This listing of the claims with indicated amendments, deletions and cancellations and new claims will replace all prior version, and listings, of claims in the application.

**LISTING OF THE CLAIMS**

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (cancelled)
6. (cancelled)
7. (cancelled)
8. (cancelled)
9. (cancelled)
10. (cancelled)
11. (cancelled)
12. (cancelled)
13. (cancelled)

**PATENT**

Amendment dated July 17, 2007  
Reply to Office Action of January 18, 2007

Thought, Inc. Attorney Docket No.: 0036-023  
Serial No. 10/045,894

14. (cancelled)

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (cancelled)

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (cancelled)

26. (cancelled)

27. (cancelled)

28. (new) A local or distributed computer system for creating or maintaining transparent persistence to a permanent data source without the need for insertion of post compilation byte code into data objects of an object model or post compilation insertions of data objects into an object model or schema comprising:

a software implemented method that utilizes at least one software component as a persistence manager, an API and a persistence layer for data source access to provide transparent persistence of a member selected from the group consisting of a complex data object, an object graph model and a portion of an object graph model, wherein:

(i) the complex data object, the object graph model or the portion of an object graph model is persisted as a CDOG model,

(ii) the system comprises a user interface, a working memory storage area and at least one device for permanently storing information, and said system is loaded with at least one portion of a computer software program that comprises at least one user access interface, a programming object as a software component that is designed for creating or maintaining transparent persistence of a member selected from the group consisting of a data object, an object graph model and a portion of an object graph model as a CDOG model, and

(iii) the system further comprises a transparent persistence listing of a complex data object, an object graph model or a portion of an object graph model to be persisted by a transparent persistence method of the system, and items in the persistence listing are associated with a mapping layer set of tables or maps for

objects and object attributes selected from the group consisting of relationships of objects to each other, relationships of objects to at least one data source, and relationships of objects to an object graph,

software implemented methods for the persistence monitor to: (a) identify a complex object, object graph, or portion of an object graph residing on the system that is also associated with a persistence listing, (b) detect any transactions that would require persistence of the complex object, object graph or portion of an object graph, and (c) delegate persistence to a data source functions to a persistence layer that handles persistence of such transactions to a permanent data source as a persisted complex object, object graph or portion of an object graph.

29. (new) A computer system according to claim 28, that does not require any modifications to an object model by modifying a post processed set of objects or object model to include additional persistent data objects or to include persistence byte code in a data object of the object model in order to provide persistence for all or a portion of the CDOG model.

30. (new) A computer system according to claim 29, that provides persistence for a CDOG model on a distributed network environment.

31. (new) A computer system for creating or maintaining transparent persistence to a permanent data source of a member selected from the group consisting of a complex data object, an object graph model and a portion of an object graph model when a user of the system is creating, maintaining, accessing or navigating complex data objects as a CDOG model, comprising a software component as a loaded software module that is a loaded transaction monitor for accessing a persistence API, wherein the loaded transaction monitor is associated with a persistence listing, an object application schema and data source schema mapping layer, and a runtime persistence layer for data source access to maintain persistence when informed by a loaded transaction monitor through a persistence API that persistence as a CDOG model is needed for a complex data object, an object graph model, or a portion of an object graph.

32. (new) A computer system according to claim 31, further comprising an ejb component as a loaded software module.

33. (new) A computer system according to claim 31, that provides persistence for a CDOG model on a distributed network environment as an application without

the need for server container managed persistence.

34. (new) An object programming language software module, or set of modules, for creating or maintaining transparent persistence in a system as described in claim 28, wherein the transparent persistence is of a member selected from the group consisting of a data object, an object graph model and a portion of an object graph model when a user of the system is creating, maintaining, accessing or navigating complex data objects as a CDOG model.

35. (new) An object programming language software module, or set of modules, for creating or maintaining transparent persistence in a system as described in claim 31, wherein the transparent persistence is of a member selected from the group consisting of a data object, an object graph model and a portion of an object graph model when a user of the system is creating, maintaining, accessing or navigating complex data objects as a CDOG model.

36. (new) A software module, or set of modules, according to claim 34, for creating or maintaining transparent persistence of a member selected from the group consisting of a data object, an object graph model and a portion of an object graph

model when a user of the system is creating, maintaining, accessing or navigating complex data objects as a CDOG model, comprising software code for generating, accessing, or maintaining a transaction monitor as a complex ejb object, a persistence listing, or both.

37. (new) A software module, or set of modules, according to claim 35, for creating or maintaining transparent persistence of a member selected from the group consisting of a data object, an object graph model and a portion of an object graph model when a user of the system is creating, maintaining, accessing or navigating complex data objects as a CDOG model, comprising software code for generating, accessing, or maintaining a transaction monitor as a complex ejb object, a persistence listing, or both.